



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 47, Number 27

Monday, June 30, 1980

STATIC FROM HQ

As we sit here on a hot Sunday afternoon, we're short on one column--IDX has not arrived. Since we haven't heard from Chuck, we'll assume it's in the mail to us. If you see it inside, we got it. Otherwise..... The support for the columns is almost non-existent. In fact, we'll have to make a schedule adjustment for August based on lack of support. In a survey we asked about frequency of issues and there were many comments, particularly from younger members, that DX News did not come often enough in Summer. We added two summer issues but we can't justify the expense. So.....

SCHEDULE CHANGE - EDITORS NOTE

DX News will come to you on July 14, August 11, September 8 & 22. There will be no August 25 issue.

It was a real pleasure to receive a call from Mr. Dale Cook, CE at the new WPOE-1520, in Greenfield, MA. Mr. Cook informed us that WPOE is aiming for going on regular schedule the first week of July, hopefully before July 4. They will be on the air every Monday morning from 0000-0300 ELT from now until Christmas. Dale says he'll be sending veries soon to all who have reported recently.

Corrections to my typing last time, etc. The AM Stereo clip used last time was from Phil Sullivan. The correct line-up for the picture we used from the YAD GTG was: (l to r) Bob Popa, Darlene Glick, Pat Hartlage's arm, Paul Mount (hat shows only), John Buehler, Chuck Rader, Dick Truax, Jim Wallace (hidden), and Bill Whitacre. Also, LA may be the city of the Angles, too (hi!). End of Pat's typing/

Pat

Down to business on a rather serious note....As announced in the last issue of DX news, Pat has reluctantly resigned his position as Secretary effective October 1, 1980. This effectively reduces the active "hard core" LPC to just two active members- Gary Atkins and Dick Truax. This is down from the original "core" of five or six members in LPC at its inception in 1977. Accordingly some announcements and/or adjustments are in order. Effective with this issue Gary Atkins will become/assume the position of 'acting editor' as we have had no active editor since October 1979. Corporate records with the State of Kentucky have been amended accordingly. I will continue as Treasurer here in Louisville. This leaves the position of Secretary vacant for the time being.

It is our consensus that for the time being we will endeavor to carry-on as usual under this new arrangement. At present,during the off season, the level of correspondence is at a minimum and in all likelihood the two of us will be able to keep up with routine inquiries, complaints, etc. However with the new season upon us we foresee the need for a Secretary, possibly even a 'remote' Secretary to handle the increased correspondence. On a more longrange basis, with Gary's employment terminating locally in the next 12 months and my personal situation even more uncertain, it becomes necessary to begin serious planning for the future of our Club in terms of a new publishing committee in the not-too-distant future. More precisely within the next 12 months an orderly transition to a new publishing group must take place if we are to avoid the "crisis" takeovers in years past. Paraphrasing a famous quote-"Now is the time for all qualified members to consider coming to the aid of their Club," the biggest, oldest and best DX organization of its kind. As we consider the alternatives here, we also welcome input from all members in good standing as to our future. More will be announced in future issues, but in fairness to the membership we thought all should be appraised of our current status here at LPC.

Dick Truax

Gary Atkins

LOOK INSIDE AND NEW MEMBERS are found on the back page.....

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

DOMESTIC DX DIGEST

DAVE SCHMIDT
42 CHELWYNNE ROAD
CASTLE HILLS
NEW CASTLE, DE 19720

Looks like a real work out for the typewriter this time! Please, when your sending in your items, keep them on one side of the paper, type or neatly write, BLT. And it would be a very big help if you could send your reports in the form that the column is run, seperated. These little things are a very big help in putting this column together. Thanx!

FREQ. CHECKS:

- 1st Mon.....WCNC-1240 w/1000 hertz TT, ID's. (WPT-DC)
- 2nd Tue.....WSNJ-1240 w/TT (no ID's noted either!). (DS-DE)
- 4th Mon.....WMBT-1530, per v/l, 0130-0200. (RM-CT)

SPECIAL:

- 990 WNYR NY ROCHESTER - Per v/l, power is given as 1000 watts day, 125 watts night, non-directional. Address listed as 360 East Ave., 14604. (DS-DE)
- 1090 WGOC TN KINGSPORT - Format: REL. "The Inspirational Sound of the 80's." (HSY-TN)
- 1520 WPOE MA GREENFIELD - having problems with directional antenna system due to a concrete mixing plant near their antennas, have asked for temporary authorization to operate w/5000 watts during critical hours until pattern can be set. (RM-CT)
- 1530 WMBT PA SHENANDOAH - Per v/l, now operating w/2500 watts. (RM-CT)

WPOE AM 1520

POET'S SEAT BROADCASTING, INCORPORATED
154 FEDERAL STREET/ GREENFIELD, MASSACHUSETTS 01301 (413) 777-7777

MIDDAY - MIDNIGHT

- 620 WTMJ WI MILWAUKEE - 5/13 1635 traffic report, pop mx, wx. (DS-WI)
- 630 KDWB MN ST. PAUL - 5/14 1730 pop mx, wx, good signal. (DS-WI)
- 1120 WWOL NY BUFFALO - 6/3 2043 noted w/cw mx, wx, xlnt. (WPT-DC)
- 1130 WCXI MI DETROIT - 6/3 2100 cw mx, ID then nx, good. (WPT-DC)
- 1140 WBZY PA NEW CASTLE - 6/3 2044 tentative, s/off w/mention of 5000 watts, no SSB, ID not heard due to WRVA. (WPT-DC)
- 1510 WLAC TN NASHVILLE - 5/8 2130 50's & 60's mx, dedications. (DS-WI)
- 1600 WCWC WI RIPON - 4/31 1345 MoR mx, CBS nx, sports, wx. (DS-WI)

WKSK

CADDELL BROADCASTING, INC.

KSJB

JAMESTOWN - SERVING THE DAKOTAS

MIDNIGHT MADNESS!

- 540 CBK SK WATROUS - 5/9 0105 EZL mx, woman annct, CBC nx, poor. (DS/WI)
- 940 WINZ FL MIAMI - 5/26 0229 noted w/UPI nx, fair. (SDM-MA)
- 1250 WTMA SC CHARLESTON - 5/26 0340 fair w/calls mentioned, Top 40 mx. (SDM)
- 1480 UNID 6/13 0015-0035+ somebody here w/rock oldies, audio popping on/off, etc. Suspect WUEZ, signal very strong and same D-F. (DS-DE)
- 1520 UNID 6/11 0005-0030+ oldies noted in WKBW null, very strong at times. Again 6/12 0015 w/OC. No ID's noted. WPOE? (DS-DE)
- 1590 WDCI ME GORHAM - 5/26 0430 good signal at s/on w/AM-FM ID's, station location, etc. (SDM-MA)

WCCO RADIO

Minneapolis-St. Paul
50,000 Watt 1A Clear
GOOD NEIGHBOR TO THE NORTHWEST

SPECIAL "YAD" REPORT! (RX: Humpler 4NK-8, Coors Beverage, 817 & others!)

- 1020 KDKA PA PITTSBURGH - 5/26 heard again, 2nd time this year, not as loud as before!
- 1290 KETH AK KETCHIKAN - 5/26 loud on ET/TT 0420, many ID's.
- 1400 WBAG OH BAGVILLE - 5/26 loud w/RS, nasal sounding annct'r w/ad for installing fiberglass insulation.
- 1490 KGUC CO GUNNISTON - 5/26 loud on reg. 5th MM f/c.
- 1530 UNID Tester w/rr 0315-0330, calls sounded like WDDY.
- UNID Tester w/rr 0315-0330, calls sounded like KDDY.
- UNID Tester w/rr 0315-0330, calls sounded like CDDY.
- UNID Tester w/rr 0315-0330, calls sounded like 4DDY.
- 1580 WGAG NC BARFVILLE - 5/26 loud w/Pizza Hut ad.
- UNID 5/26 0330 somebody testing w/rr, giving ID's as 12-W-D. Could this be the new WWWWWWWWWWD?

A TIP OF THE KAZOO TO:

- RM-CT RON MUSCO, Windsor, CT. HQ-collection!
- WPT-DC WILLIAM P. TOWNSHEND, Washington, DC TRF
- SDM-MA STEPHEN D. MILLER, Boston, MA TRF, RF-2200
- HSY-TN HAROLD YOUNG, Kingsport, TN
- DS-WI DANIEL SAMPSON, Black River Falls, WI DX-300, 75' LW

DS-DE is
me!
735
JF

WADE

WADESBORO, NORTH CAROLINA 28170



WNBFRADIO

CANADIAN POSTAL CODES

Because material for this issue was rather sparse, we've decided to "fill" by reprinting some useful items which have appeared in DX News but which are not carried as reprints. The information below was submitted by Gordon Fenderson, Jr.

Canadian postal codes should always follow the locality and province, and should be placed on a separate line below them, as:

CJON Radio
P.O. Box 2000
ST. JOHN'S, Newfoundland
CANADA
A1C 5S2

Gordon also noted that the Canadian Post Office prefers that the location be capitalized as above. Further, he indicated that it is unnecessary to capitalize "Canada", as the Post Office does not require it. As it happens, however, since most letters to Canada must start in the U.S., and the U.S. Postal Service recommends capitalizing the country if other than the U.S., we'll go on doing it.

Canadian postal codes should always be written as above, with a space between the two three-character groups. If you need the codes for any localities, and cannot obtain them, you may write to: Canada Post Office, Confederation Hts., Ottawa, Ontario, CANADA K1A 0B1.

Postal code breakdown (Code prefixes):

- A1 St. John's, Newfoundland
- A Newfoundland & Labrador
- B Nova Scotia
- B1 Sydney, NS
- B3 Halifax, NS
- C Prince Edward Island
- E New Brunswick
- E1 Moncton, NB
- E3 Fredericton, NB
- G Northern Quebec
- G1 Quebec City
- H Montreal area
- J Eastern Quebec
- J1 Sherbrooke, PQ
- J3 Northwestern Quebec
- P Northern Ontario
- K1 Ottawa
- K2 Ottawa
- L Central Ontario
- M Toronto
- N Western Ontario
- N8 Windsor, Ontario
- R Manitoba
- S Saskatchewan
- T Alberta
- V British Columbia
- X North West Territories
- Y Yukon

CANADIAN AUDIO NETWORKS - PART 2

BRIAN VERNON

The original Canadian Audio Network article appeared in DX News, Volume 46 #14. Other news and information concerning this subject has been received, so a news update is now in order.

BROADCAST NEWS VOICE:

Since the last report, B.N.V. (by far the largest audio network in the country) has expanded its service. In February '79 it began its "Broadcast News Report", a 4 minute, 20 second news report fed from its Toronto studios to subscribing stations on the hour, 24 hours a day. Some stations have been carrying this news on the air during the early morning hours. If carried live, the news has no breaks for commercials or announcements. Apart from this it sounds very similar to the major American radio network news services.

B.N.V. feeds 'Broadcast News Report' to all its subscribing stations but not many stations carry this on the air, though, any one of them can use it at any time. So, as such, B.N.V. has no list of stations that are currently broadcasting B.N. Report. It may also be interesting to note that often more than one station in a given market subscribes to BNV.

Not mentioned before is the fact that because B.N.V. has exclusive use of material from both the ABC (American Broadcasting Co.) and APR (Associated Press Radio) it also feeds its stations programs such as Paul Harvey, and 'Speaking of Sports' with Howard Cosell. In fact, the latter's pronunciation of ice hockey stars with names of French ancestry is a constant source of amusement across the country.

NEWSRADIO:

This service applied to CRTC for a network news service similar to Broadcast News Report, but, at the time of this writing have received no word as to whether this application has been approved or not.

Features carried by Newsradio include: Comment by Steven Lewis; Comment by Tom Gould; Dialogue with Pierre Berton and Charles Templeton; three business reports, all sent daily; plus, 35 feature news reports per week. Newsradio also sends three 13 minute shows each week for weekend use. Topics include news from Queens Park (Ontario stations only), interviews with people in the performing arts, authors or celebrities.

Although Newsradio carries news-cuts from CBS Radio, it does not carry the CBS Mystery Theatre, though it did at one time. Now, this show is handled by an independent group through distribution of tapes. In fact, in my opinion, the tapes' superior audio quality adds to its presentation. It can be heard on such stations as CFCN-1060, which by coincidence is a Newsradio subscriber.

Also neglected by Newsradio is NFL Football from CBS. This is carried by the 'CKO all news-radio' network across the country.

STANDARD BROADCAST NEWS:

SBN does carry some Canadian commentary and extended programs produced by SBN and subscribing stations, but have been unable to get their titles, though material from NBC Radio is used extensively by SBN subscribers and WIN (Western Information Network) stations.

SELKIRK NEWS-SERVICE:

Selkirk News had its beginning 23 years ago when Sam Ross was sent from Vancouver to Ottawa in 1957 to establish the first news bureau (Ottawa Radio News Bureau) to serve broadcasting, primarily the Taylor-Pearson-Carson radio stations. In 1970 Bill Hutton replaced Sam Ross and the service changed its name to Selkirk News.

Today and every morning Bill Hutton records his daily commentary which attempts to interpret the federal government and its development to the average person. This runs to approximately 2 minutes 45 seconds in length. Other material is sent to Selkirk stations including a weekly 15 minute 'Accent' program, a wrap-up of the weeks happenings in the nations capitol.

Primarily though, Selkirks present service can best be described by quoting here from its own pamphlet 'Selkirk News Service-The Ottawa Connection': "Since all Selkirk stations subscribe to all services of Broadcast News, Selkirk News can concentrate on the type of story that is more directly associated with the area served by one of the stations. Naturally, if a major story concerns one of these communities, it is covered

by Selkirk News in even greater depth than a national news service provides."

Selkirk opened a bureau in Victoria, B.C. in 1978 primarily to service CKWX-1130-Vancouver, and the station's news features, 'On the Scene' and 'Behind the Scene'. In the future, Selkirk considers feeding non-Selkirk owned stations with news a "distinct possibility".

CHUM GROUP NEWS:

Originally called 'Canadian Contemporary News Network', CHUM Group News now is really an exchange service for CHUM Group stations across the country, and include: CFRA-580-Ontario; CJCH-920-Nova Scotia; CHUM-1050-Ontario; CFRW-1290-Manitoba; CFUN-1410-B.C.; and CKPT-1420-Ontario.

CANADA NEWS-WIRE:

Operates a private teleprinter network for transmitting news releases directly to major news agencies, newspapers, broadcast networks, radio-TV stations, financial services, publications and stock exchanges in Montreal, Toronto and Vancouver. CNW is not a news gathering operation, but transmits news releases in unedited form on behalf of more than 1,000 corporate and non-corporate clients. In effect, it is an electronic courier service.

CNW-BROADCAST SERVICES:

Is a division of Canada News Wire, and produces a variety of radio programs on behalf of many of the same clients referred to before under Canada News Wire. Programs are distributed to selected stations without charge. The current programs involve one of the two formats: 1) 'Drop-in shows': these usually are short interviews of up to 3 minutes, suitable for use on news, public affairs or consumer information programs. They usually are accompanied by short voice clips that could be used on newscasts. 2) 'Packaged Feature Programs': distributed to stations that agree, in advance, to broadcast the series over a 13, 26 or 52 week period. These series usually have a continuing theme or topic such as metric conversion, purchasing a home or tips for safe winter driving.

CKO ALL NEWS RADIO:

By the fall of 1979, CKO should have been a 12 station network according to the terms of its license, but seems stalled at its present size of 7. This includes stations in Vancouver, Edmonton, Calgary, London, Toronto and Ottawa all on FM, and CKO-1470 in Montreal. The remaining 5 will be in Regina, Winnipeg, St. John-New Brunswick, Halifax and St. John-Newfoundland. Whether these last 5 stations will all be on FM is anyone's guess, but a run down of some of the network's programs will be of interest if they are granted AM licenses.

Many of the CKO programs are being offered (through ads in trade magazines) for syndication, so some of the following may find their way to small private stations outside the cities mentioned above. They include: Lynne Gordon (3 shows)--Weekly 12 minute consumer show; weekly 6 minute feature on World of Entertainment; daily 1 1/2 minutes on consumerism. Western Canada Round-Up--4 minutes from Calgary, Edmonton and Vancouver. Business Commentary--5 times daily w/ Arthur Vaile. Travel Report--4 times daily, 2 1/2 minutes by Walter Kanitz. Book Shelf--11 minutes, aired 3 times on Saturday and Sunday. Commodities Report--Morning, noon and evening reports Monday thru Friday for 2 minutes by Bob Tebbutt. Horoscope--3 times daily for 3 minutes. NFL Football--26 regular season and 10 post season games from CBS. Mel Profit--daily sports happenings, 1 1/2 minutes. Tax Tips--2 minutes w/ Arthur Vaile. Toronto Maple Leafs--NHL play by play. Over the months that follow, some of these features may change, but these were being offered through syndication in November 1979.

COMMENT:

Articles have been written with regards to music formats. Hopefully, these 'Canadian Audio Network' articles have given greater depth into what to listen for as regards Canadian news and their services. If you have ever wondered where a station got its news or features then these articles may give you a clue, and, knowing what you hear always helps when reporting reception to stations.

REFERENCES AND CREDITS:

Broadcast News - Conrad Hoddinott, General Executive
 Canadian Audio Networks - DX News Volume 46 #14
 Canada News Wire - Ralph E. Errington, Director Media Services
 CHUM Group News - Bob Kennedy, News Director
 Broadcaster Magazine - a past issue
 Broadcaster Magazine - November '79, CKO ad
 NRC Domestic Log - John A. Callarman
 Newsradio - Randolph Beck, Superintendent
 Selkirk News - Joan MacDonald for Bill Hutton, Dir. News
 Standard Broadcast News - Sidney Margles, Vice Pres. & Gen. Mgr.

PANAMA CITY A.M. SITUATION

(Not the Panama City in Florida!)

As of 8 June 1980

Rónald F. Schatz

Freq.	Name (& call)	A.P. No.	FM/STL	Etc.
570	Radio Uno			Often // 610
610	RPC Radio (HOEM)	1795	91/97.5	0530-2400
650	Radio Mía		89.5	
670	Radio Hogar		94	
730	La Exitosa		95	
760	HOKO, The Voice of the Isthmus	3269, Z3	88.5	EE/SS Relig.
790	SCN Radio (Fort Clayton)		91.5	// 1420 Ft. Davis.
810	Radio Mundial			
840	Radio Libertad (SER)	4950, Z5		
870	Radio Musical	10577, Z4	93.5	
900	La Voz del Pueblo			Native music
940	Radio Tevedós (TV2)			
990	ABC Radio (HOU44)	63500		
1060	La Voz de Panamá			R-1380 below.
1080	Tic-Tac			
1100	Radio Mil	3115, Z3	104	
1120	Radio Continente			
1140	Radio Juvenil	6-95, Z6	99.3	"FM99" Stereo
1210	Radio Diez (10)			
1250	Radio BB (Bebé)			
1270	Radio Femenina			
1290	Radio Guadalupe		93	
1360	(unID)			Refuses to ID, cheap operation, native music.
1380	La Voz de Panamá			// 1060 above.
1510	La Panameña			

Listed in 1980 city 'phone directory but not noted on any band:
 HONZ, Onda Nueva, Radio Revolución, Radio Balboa, HOQ y HOQQ, & Radio
 Visión de Panamá. UnID's at 1360 and FM-96.1.

Onda Popular, nominal 965, noted only on FM at 98 (Chilibre) and
 94.5 (Panamá). Sked 0700-2140, off Sundays. Cf. WTFDA for additional
 Panamá FM stereo and TV info.

While the Canal Zone ceased to exist as of October 1979, the South-
 ern Command Network (SCN) should continue to exist until the completion
 of the phase-over in 2000.

Other changes: HOF33-810 "RPC Radio" in Bocas del Toro, //610.
 Radio Urraca (SER)-910 in Santiago de Veraguas. Radio Guaymí (SER)-
 890 in David. SER relays: Chitré-770, Bocas del Toro-910, Colón-1090.
 Radio Súper-Sol, Colón-1390, FM stereo 88.1.

"Native music" includes tamborito, tamborera, cumbia, and décima
 guajira. The "tambor" type is a primitive sound with a rapid 4/4 beat
 and sung with a kind of yodel.

MUSINGS

ERNEST R. COOPER
 5 ANTHONY STREET
 PROVINCETOWN, MASS. 02657

The opinions expressed in this column are those of the individual members,
 and do not necessarily reflect those of the editors, publishers or NRC.

HE WILL VACATION IN EASTERN POLAND

(office)

JUERGEN TROCHIMCZYK - Kapellenbits 11, 5000 Koeln 90 (E11) - West Germany (0221)2037508
 ***** Due to our moving ARNIM LITTEK went ahead in Musings about our get-to-
 gether in March. We had a wonderful time & I regret the lack of time to endeavor more hik-
 ing and DXing. He might be right with his assumption of my being a wine connoisseur; I even
 bought another 100 gallons of superb local wines (while in Konstanz) as my emergency supply
 for the Cologne area where they do know much more about beer. If anybody else of you NRCers
 hops TA, don't stay at a fleabag but stay with us while in the Cologne area. At my new lo-
 cation I started some LW DXing using R-390A plus Palomar VIF converter, plus Radio West fer-
 rite loop. Interesting catches were VS-305.7 Vieste, Italy, 344.5 KUL Kullen, Sweden, BZ0-
 349 Bolsano, Italy, BNY-352 Bunnatty, Ireland, BRD-364 Brindisi, Italy, KEM-373 Kemi, Finland,
 REK-379 Reiksten, Norway, AB-381 Akkraberg, Faroe, SBG-382 Salsburg, Austria, CEV-387 Linate
 Italy, TOP-393 Torino, Italy, DM-425 Domanovici, Yugoslavia, LOS-432 Lusinj, Yugoslavia. One
 unID even had the letters DXII! Together with the president of German MWDIC, Wilhelm Herbst,
 I determined some of the unknown station locations by PETE TAYLOR (#24). During the second
 half of July I'll be off vacationing in E Poland right at the Russian border. My Radio West
 loop ("Don't leave home without it," hi) would be nice over there, but I am afraid the guys
 from the secret state police might take it to prevent espionage. Although there is not much
 time left I'll study Polish (Ja mam sawsze ogromny apetyt. - I always have an immense appetite..
 Convinced? 73.

HE WASN'T PLUGGED IN!

LYNN GILLIS - Box 105 - Bloomfield, Kentucky - 40008 502-252-5069
 ***** Hi, y'all. I took a couple issues off because of no DX to report, but I've
 gotten a few newies. Congrats to DAVE YOCIS for his fine column and to ERC for taking the
 column back, hi! I hope my CHLO & return postage tip helped someone. When reporting to
 them, thank Mr. John L. Moore, all right? DX: 4/20- WNST-1600 ET loud here, ID @ 12:26am.
 4/27- KRIG-1410 good @ 8:33pm, nice from here. 5/22 (what a gap!) WMAX-1480 o/regulars
 WHBC/WTHI @ 9:12pm. 6/6- Very AU CX, as evidenced by the Cuban on 610 making it. Other Cu-
 bans new here were R. Liberacion-730 & 740, // -strong 640. 630 was overriding usual WIAP.
 R. Titania-825 Costa Rica also was in well, WMAP was no problem but WHAS was! This is writ-
 ten Sunday afternoon, I'll include hopefully MM DX at the end. My DX location is very good;
 WERT-1320 is the only station inside 25 miles but it is 13 miles away and doesn't slop onto
 1310 & 1330. The only splatter-maker is WHAS, which makes DX on 830 & 850 difficult even on
 the SP-600. A loop would help that situation though. My mom has a five-acre lot out in
 the boondocks, I plan to string up a phased beverage unit of about 750' there some day! I'm
 talking to you @ 8am MM now - MM DX was nil, my alarm clock wasn't plugged in! I set it &
 didn't plug it in! Oh well, maybe next week. All DX is on the SP-600, my TRF is "sputter-
 ing." If any of you all want to write me, I've got lots of free time and you'll get a fast
 reply (I hope). See you in DX NEWS later on, fellow NRCers.

SIEGEL, THE EAGLE OF HEARTS AND QUIZZES!

GARY SIEGEL - 2728 105th Street - Toledo, Ohio - 43611 Toledo - the City of the 80's.
 ***** The recent rumble of T-storms in the Midwest has not helped DXing at all & as a
 result no new stations have reached this location. I might add that with the static levels
 so bad that even the usual receptions have been nearly blotted out at times. I wonder if I
 can blame the volcano? Despite the QRM on the band, the annual gathering of YAD in greater
 Youngstown was its usual lively self with nearly as much QRM from various sappings for bad
 puns and the like as you'd hear on any stormy night, BZZT! Thanks to JERRY & BONNIE STARR
 for putting up with the some 30 characters who were in attendance. Or should it be JERRY &
 BONNIE = ? hi! I was fortunate to have taken away from YAD the exclusive limited edition of
 the WBRD-FM T-shirt for having pulled an upset in mosing out ERNIE COOPER on the trivia quiz
 - Who? as they say in Des Moines, hi! I was additionally fortunate as trivia "wizards"
 (sorry about that) FRANK MERRILL & GEORGE GREENE hadn't arrived at YAD at the time of the
 quiz. It was really a case of saying "Whew" as they say in Fort Myers as FM & GG are always
 tough when it comes to such quizzes. I was also unbelievably fortunate to have shocked the
 gathering by showing my prowess in tossing a beer can at the illustrious studios of WHOT/WBRD.
 I used the tess the grass blades into the air trick to aid in judging the wind factor (nearly
 of hurricane proportions, hi). I was stunned by this because I figured with such notable
 experts as AL MERRIMAN and JOE FELLA who are also noted for their game of Hearts ability that
 a representative of the police world such as myself would never capture the KWTO belt buckle
 prize. But there I was, the innocent police dispatcher pulling the upset of the weekend, hi!
 I guess you could say I was W-HOT, ZZAPP! It was really W-ab-SRD how fortunate I was in at
 least nine games of Hearts against very notable competition, I managed five wins - but who's
 counting, hi! I even managed to turn aside five very tough would-be champs in a sixperson
 game that gathered Monday morning 5/26 at PAUL MOUNT's room at the nearby Motel 6. Included
 in that game was Paul's girl friend Darlene (who can BZZT & ZAP with the best of them), we
 let Paul play too, hi! and FRANK MERRILL, GEORGE GREENE, & GEORGE WALTON of Easton, Pa., for-
 merly of Toledo, & good friend of local DXer JOHN BUEHLER. (Continued next issue - ERC)

GENE WILL VACATION IN GERMANY IN AUGUST

GENE MARTIN - 3303 East Evans Avenue - Denver, Colorado - 80210
 ***** Between August 15 & 28, I will be in Frankfurt, West Germany, equipped with the GE Superadio and the Sexy AM-FM cassette receiver, visiting my son, David, who works there for Sperry-Univac, and lives in suburban Tamus. I am taking a nine-year-old grand-daughter with me, and a wife, but I may be able to get in some DXing anyway. If anyone has any questions I may be able to help with on stations I may be able to hear from there, I'll do my best to get something on tape that might supply the answer. I will be much better equipped for checking out things from Frankfurt than I was on my visit to London in December '76, when I had only the TRF and no method of taping what I heard on it. Close frequency reading on the GE isn't easy on the higher frequencies especially. My method of marking that dial was to put a narrow strip of white Avery labels underneath the pointer, then marking 600,700, and so on through the hundreds with a thin red-fine tip ball point pen marker. I marked the 50s with a thin black line, and I read the right side of the pointer. I made no effort to mark frequencies between the hundreds and the fifties. I am flying via Braniff Airlines. I will spend Aug. 12 & 13 in Dallas, then to Frankfurt Aug. 14 via Boston, returning the same route. The GE & Sexy, in their own box, will be my "carry-on" luggage, as they were to Hawaii last December. I would rather not check them through as baggage.

HARDESTER BECOMES A HARVESTER

MIKE HARDESTER - 574 Deer Springs Road - San Marcos, California - 92069 6/8/80
 ***** Greetings! I thought I'd drop a line to say I'm alive and well. Virtually no time to DX as the Navy, a CIE correspondence course, IRCA CPC Chairmanship, and Radio West are all combining to occupy my time. And, what the preceding don't occupy in time, I devote to my farm. Yes, yours truly has a farm (of sorts) and have re-devoted myself to THE MOTHER EARTH NEWS life-style. I say re-devoted as I was into this back in the 60's, but with my own land, I'm going crazy, hi! Fantastic fun and room for those languires! Not enough for a beverage, but enough to provide good reception, and the area is very quiet as far as QRM & QRN are concerned. In regards to the CPC (Courtesy Program Committee) effort, both IRCA & NRC are in need of volunteers, so if you're interested in working on the CPC, drop me a line, or if you're a devotee of the NRC CPC program, drop NEIL ZANK a line. Let's keep the CPC alive and well! It would be nice if KNEW-910 in the Bay Area would go off permanently; though a few hundred nbs from my location, they effectively QRM semi-local KJWC-910 ("Magic 91") and their "Oldies" format. Grr! All for now. Very 73, best of DX, and C U at ANARC-80 and NRC-80!

KEN VACATIONED IN WINDSOR AND DETROIT

KEN ONYSCHUK - 239 Fir - Park Forest, Illinois - 60466 6/6/80
 ***** Hello again. I just renewed my membership for the tenth year & I'm looking forward to more membership participation in the next year. A few things to get off my mind: Chicago Trib radio critic Gary Deeb quit in late March and joined the rival Sun-Times. His successor Ron Aldridge from Charlotte, N.C. is only so-so on radio. In the recent Sun-Times Deeb mentions the NBA Bulls probably will switch from WIND-560 to WVON-1390, Chicago's only 24 hour Black AM station. Other than that, we're still waiting for WJPC-950's fulltime status. In Indiana WIMS-1420 is still waiting for night permit for 5,000w. Sorry, fellas, I won't be able to go to Los Angeles on Convention weekend. The money must go elsewhere. I want to go bad but I just don't have the money. Thurs. 6/5, my family returned from a vacation to Windsor, Ont. where we saw the sites & Dxed. It's very pretty there & I encourage anyone to go. I visited CKNW-580, CKLW-800, CBE-1550, CBEF-540, WJLB-1400, WWWW (WJ)-FM, WGR-FM-TV-62, WJR, & WCXI. I couldn't locate WTWR-FM, & I couldn't get anything from WWJ-NL-950. Overall it was a memorable trip. The wife & I really liked all-eldies WHND-560, Dearborn, Mich., serving Detroit. We listened to it on the way home on I-94 before it faded out near Battle Creek. Also, T-storms in the area didn't help. We also visited "one of those places" on the way to Detroit, Hell, Mich., pop. 52. It's about 18 miles NW of Ann Arbor. I took pictures & got souvenirs. I had a "hell" of a time. Anyway, I had the Detroit Express N.A.S.L. on CKLW & the Toronto Blue Jays on CHYR-730. I taped CHIR's pattern & frequency switch as SSS. Very interesting. I could hear the Cubs on WGN a little better than the Sox on WBBM, in daytime. I was surprised to hear WGR-550 in daytime next to local CBEF. I will close for now. Have a healthy Summer.

THE FIRST PART OF JUNE'S BEEN GOOD FOR SIDNEY

SIDNEY B. MARSHALL - 7224 Pam Drive - Millington, Tennessee - 38053 6/8/80
 ***** After several days of temperatures in the 95°-plus range, today's 84° feels almost like a cold wave! In spite of Summer weather, DX-wise, the month of June has got off to a good start with six new ones logged, bringing my station total to 767 heard, the new ones being: WVOP-970, Ga., in on 6/1 @ 6:01am w/s/on heard before heavy static took over. Then on the evening of 6/3 at 9:36pm KRGO-1600, Iowa, in excellent with mention of Coca-Cola Bottling Co. of Cedar Rapids, TC, ID, & mx. Then @ 10:30 the full s/eff of KUAT-1550, Ariz. was heard very clear s/WOLJ. SSS on 6/5 brought in KKOY-1560, Kan., w/s/off heard @ 9:45pm u/WPNK. Finally, another new GY'er, i.e., WDNB-1450, Ala., in very strong @ 2:03am on 6/7 with UPI NX, short local NX, & SID before dropping out at 2:07. SSS on 6/7 reaped WATM-1590, Ala. with most of s/eff heard at 9pm. As this will be my last Muse until September (unless I heard some outstanding new ones) let me wish everyone an enjoyable Summer, and good DXing to all.
 THE DAY YOU RECEIVE THIS IS THE NEXT DEADLINE (JUNE 30), AN ISSUE ESPECIALLY FOR THOSE WHO HAVE NEVER SENT IN A MUSING. YOU CAN STILL GET ONE IN BY MEANS OF THE ALEXANDER GRAHAM! THEN THE NEXT DEADLINE IS MONDAY, JULY 28th, THE "NOSTALGIC" MUSINGS ISSUE. TELL US HOW YOU GOT STARTED IN THIS WEIRD HOBBY, AND SOMETHING OF YOUR FIRST DAYS AT THE DIAL! DOUBLE SPACE!

NIEL WILL BE A CAMP COUNSELOR THIS SUMMER

NIEL WOLFISH - o/e Camp New Moon - Cabin 3 - Baysville, Ontario - P0B 1A0 6/3/80
 ***** Hi. The above address is my Summer address. I'll be Up North in Baysville until 8/30 or so as a camp counselor. DX lately has been what you might expect - terrible. One new logging, for #711 on 6/2: 12:06-12:34am, KOMO-810 all alone (except for station) w/ TX show. (Time, Texas, or talk? -ERC) 800: 12:17-12:33, unID tester. 1490: 12:43-12:59, someone w/Dr. Demento. 1500: WCZY still on at 1:15am. Veries in lately from WHK-1420 (FP/o on fifth try), WCEB-1420 (v/q), WBJJ-1550 (v 1) and WNYR-990 (v/1). I even bagged an Afghanistan verie on SW after 8 1/2 months' wait and one Soviet takeover. Needless to say, I've been pleased with my mail lately. A few notes b/cow I go: WNYR (according to the letter) is using 250w days and 125w nights. Former suburban Toronto disco station CHIC, is now known as CKWW-790. Who knows, maybe they'll verie! Last note, ARNIM LITTEK, Thanks for the letter. I'm definitely interestrd in a D Expedition to Port Elgin. Write me from Waterloo if you can. Well, that's it. Have a good Summer!

KERMIT WILL TRY SUMMER BCB DXING

KERMIT GRARY - R.D. 4 - Box 321 - Walnutport, Pennsylvania - 18088 5/30/80
 ***** I have to report that my DX has mostly succumbed to outdoor activities which are a pleasant change after a Winter of rather intensive listening. While I hope to spend some time at the dials during the Summer as time and CX permit, the expectation of new catches is quite low. The only new loggings since my last report include WUTQ-1550 on 4/5 & 6 from 5:15-5:45am with "UTQ Country" programming and news on the half-hour; WEEI-1310 on 4/10 from 5:31-6:05am with religious songs and news on the hour, for another try at a verie; and WKYZ-1420 on 4/23 & 24 from 6:40-6:45pm s/eff. Veries have been received from WKEB-1330, WPKX-1280 & WJWZ-860 (all letters w/CMS); WPMP-580 (one to replace FP/o), TGMX-1210 (1); Tirana-1395 (q); & WBVM-1550 (FP/o). Reports to U.S. & Canadian stations since 11/13/79 have elicited a 64% verie response. Clearly, some f/ups are indicated. Of the non-verifiers, 26% are repeaters, having received one or more previous reports. Sincerest thanks to my fellow old-timers who have welcomed this errant NRC'er back to Musings. Good DX to all! (Kermit, your letter was postmarked 5/30, and received here on 6/4 - bring back the Pony Express! -ERC)

HE WAS ONE OF THE PARTS IN THE GAME OF HEARTS

GEORGE WALTON - 314 High Street - Easton, Pennsylvania - 18042 6/10/80
 ***** Just a short Muse to say that DX has really fallen to the wayside lately. Work and family life and more work are just eating up all my time. I did have a great time at YAD, getting to know all the faces behind the Musings. Looking at ERNIE COOPER's collection of veries was a definite high point. Another was the late night Heats game with GEORGE GREENE, FRANK MERRILL, GARY SIEGEL, PAUL MOUNT, Blondie, and myself. In between deals we even tried to hear the Santa Fe TEST with no luck. Many thanks to the STARR family for another great YAD. Congratulations to GARY SIEGEL for winning everything. Condolences to Duff's Restaurant. And last but not least certainly, better luck next time to JOHN BUEHLER for thinking he could sleep in the same room as two hardened radio station trivia buffs. I'm still waiting for verification from WVAB. Only new report this week went to CHNS in Nova Scotia. Till next time, adios.

IN A NICK OF TIME

STEVEN MILLER - 368 Quincy Street - Boston, Massachusetts - 02125
 ***** Hello everyone! How's DX? The above headline is true simply because the information following in this Muse is being brought to your attention just in a nick of time hi! The last time I checked in, I mentioned of the items I have in my possession, & I do have most of those mentioned in my possession with the exception of one, that famous elite type Brother electric typewriter. Apparently it won't be in my possession until 12/25/80, simply because right now I've got several debts to pay. Such as, three hi-fi magazine subscriptions total \$23.10, \$55.00 to Broadcasting Yearbook for my copy of their outstanding 1980 edition of Broadcasting Yearbook. "The White Pages of Radio-TV" in the U.S. - Canada, this year's includes a new "CATV" section. Plus I owe a New York firm a staggering \$89.95 for a "future career" manual. Total "to be paid debt(s)" stands at a whopping! \$168.05 greenbacks! So to sadly repeat friends, the receipt of my new typewriter has been rescheduled for Christmas of this year. On the brighter side of things, along with this my 33rd consecutive Musing, is my 29th consecutive log report. FM DXing is coming along fairly well, as I've logged several Conn., R.I., & N.H. stations. An SWling is picking up, so far a nice total of 14 different countries were logged, with the number steadily increasing. Note: All AM FM & SW DXing is being done on my RF-2200. Also note, that "special project" I mentioned in my last Muse won't be produced, unless I can find a typewriter in time to prepare it with. So that project apparently won't be in the Vol. 48 #1 issue, maybe next year. And now a DX NEWS-worthy note for those members who reside in Mass. Lightning and Thunderstorm activity late 5/23, early 5/24/80 "really improved" CX on the AM FM & SWBC bands. I know because during that time after the "storm activity" I Dxed on all three bands, and heard nothing but new DX! My birthday has come and gone. It was after the last issue came out, 6/17, I'm now 19 years old without a typewriter. Items I've yet to purchase are as follows: a shotgun loop, 24 hour GMT clock, lotsa postage stamps, and the ground rod I need so I can operate the SM-2 loop with my RF-2200. All of my Summer MW DXing achievements will be in the Vol. 48 No. 1 issue, and will be updated in my second anniversary of membership Muse which will of course be in the Vol. 48 No. 9 issue. Well, that's all for this ---- "In a nick of time" Muse. So 73's and happy Summer, and I'll see you all in the Vol. 48 #1 issue this Fall. Produced by Steven D. Miller, for BCB Productions, Inc.

NOSTALGIA BUFFS - BE SURE TO SEND IN A MUSING FOR THE AUGUST 11th DX NEWS. PROVINCETOWN DEADLINE FOR THESE MUSINGS WILL BE MONDAY, JULY 28th. HOW DID YOU GET STARTED IN BCB DX?

TELEVISION SWEEP HARMONICS

As many DX'ers know, TV receivers are notorious QRM generators. The interference originates in the horizontal sweep stage of the set, causing harmonics of the picture tubes sweep pulse to radiate for perhaps hundreds of feet. Horizontal sync pulses were 15.750 khz in black-and-white service, and were modified slightly for color service to avoid hetrodyning problems with the 3.579+ mhz color subcarrier signal in the set itself. The color service horiz. freq. is 15,734.264 hz \pm .044 hz; this frequency is rigidly maintained. At the same time, the vertical rate was changed from 60 to 59.94 hz for color broadcasting. Note: This applies only to the American NTSC standard of color TV with 525 line pictures. Other TV systems in use in other parts of the world with such as 405, 625 and 819 lines will not produce harmonics at these frequencies. Thus, DXers outside the U.S. ought to not use this chart.

It is still possible that in a few areas, black-and-white transmissions may still be in use, although this is quite doubtful now. The way to check this is to monitor the frequencies 630 and 1260 khz. If the TV set causing your QRM is receiving a B-W transmission, the horiz. osc in the set will be locked to 15.750 khz sync pulses, whose harmonics fall exactly on 630 and 1260 khz. Color transmissions will, on the other hand, cause harmonics to fall a few hundred hz on the low side, and will cause an audible hetrodyne on these two frequencies. (See chart, 40th and 80th harmonic).

This is the most accurate listing of these frequencies to appear in the DX press. NRC's listing that appeared in DX News (18 Nov 1967) carried frequencies only to the nearest tens of hz, and contained some interpolation errors caused by final rounding. The figures in this chart are rounded to the nearest whole hertz. These numbers were obtained by finding multiples of 15.734264 on a calculator. Incidentally, the error caused by using 15.734 as the base figure amounts to about 17 hz per Mhz; not a very great amount.

For the benefit of Longwave, as well as Tropical Band DXers and Harmonic Chasers, who can use these calibration checkpoints outside the standard broadcast band, we're listing the entire rundown up to 4 mhz or so. Despite the accuracy implied in this list, note that these pulses are not spectrally pure, but contain noise sidebands of 60, 120 and so on hertz. Thus the pulses may appear to be tens of hz wide, especially if heard at s-7 or louder.

Elimination of these harmonics, which is more desirable than hearing them, has been dealt with occasionally in past issues of DX News and more thoroughly in the Amateur radio press. The DXers own set may have to be completely shielded around the sides, back and bottom with sheet aluminum (leave clearance around the picture tube, which carries 25,000 volts on the inside shell, this can jump an inch), install leaded glass in front of the CRT in the worst cases, and put filters and traps in the antenna and power leads. Traps and filters are by far the most cost-effective approach. Lafayette Radio carries high-pass filters (for TVI elimination from CB radios etc.) which insert in the antenna lead. The Radio Amateurs Handbook has some help in this regard. (Available from A.R.R.L., Newington, CT 06111, \$4.50). Severe cases will occur in apartments, from multiple sets in use, and its doubtful the DXer could shield all these sets. He may have to arrange with the set owner to have a service man do it, with the DXer paying for parts and labor; in a large apartment that could run hundreds of dollars. Receiving-wise, directional loops and sharp IF stages in the rx are about all that may be used. The signal arrives just as the desired one does, so there's not much to do if the ITV is right on the wanted freq. The only real cure is to turn off the offending TV. A last-ditch desperation move, that is strictly temporary, and ought to be used only very seldom (in the event of a Special that might be wiped out otherwise, is to get a VHF signal generator and couple it into an antenna and sweep it across the TV channels, getting the viewer to switch off in disgust. This is dangerous, as it can put interference in the aviation bands around 120 mhz, and the user is strictly on his own if he tries it. Do it more than twice, and you'll likely have the fuzz after you...that's what "temporary cure" means. Apartment dwellers could find themselves kicked out for repeated use of this tactic. But it likely WILL work once... Best thing to do is move to a big Farm in Ohio, I'd like that myself.

Television Sweep Oscillator Harmonic Frequencies

	khz	56.	881.119	111.	1746.503	166.	2611.888	221.	3477.272
1.	15.734	57.	896.853	112.	1762.238	167.	2627.622	222.	3493.007
2.	31.469	58.	912.587	113.	1777.972	168.	2643.356	223.	3508.741
3.	47.203	59.	928.322	114.	1793.706	169.	2659.091	224.	3524.475
4.	62.937	60.	944.056	115.	1809.440	170.	2674.825	225.	3540.209
5.	78.671	61.	959.790	116.	1825.175	171.	2690.559	226.	3555.944
6.	94.406	62.	975.524	117.	1840.909	172.	2706.293	227.	3571.678
7.	110.140	63.	991.259	118.	1856.643	173.	2722.028	228.	3587.412
8.	125.874	64.	1006.993	119.	1872.377	174.	2737.762	229.	3603.146
9.	141.608	65.	1022.727	120.	1888.111	175.	2753.496	230.	3618.881
10.	157.343	66.	1038.461	121.	1903.846	176.	2769.230	231.	3634.615
11.	173.077	67.	1054.196	122.	1919.580	177.	2784.965	232.	3650.349
12.	188.811	68.	1069.930	123.	1935.314	178.	2800.699	233.	3666.084
13.	204.545	69.	1085.664	124.	1951.049	179.	2816.433	234.	3681.818
14.	220.280	70.	1101.398	125.	1966.783	180.	2832.168	235.	3697.552
15.	236.014	71.	1117.133	126.	1982.517	181.	2847.902	236.	3713.286
16.	251.748	72.	1132.867	127.	1998.252	182.	2863.636	237.	3729.021
17.	267.482	73.	1148.601	128.	2013.986	183.	2879.370	238.	3744.755
18.	283.217	74.	1164.336	129.	2029.720	184.	2895.105	239.	3760.489
19.	298.951	75.	1180.070	130.	2045.454	185.	2910.839	240.	3776.223
20.	314.685	76.	1195.804	131.	2061.186	186.	2926.573	241.	3791.958
21.	330.420	77.	1211.538	132.	2076.923	187.	2942.307	242.	3807.692
22.	346.154	78.	1227.273	133.	2092.657	188.	2958.042	243.	3823.426
23.	361.888	79.	1243.007	134.	2108.391	189.	2973.776	244.	3839.160
24.	377.622	80.	1258.741	135.	2124.126	190.	2989.510	245.	3854.895
25.	393.357	81.	1274.475	136.	2139.860	191.	3005.244	246.	3870.629
26.	409.091	82.	1290.210	137.	2155.594	192.	3020.979	247.	3886.363
27.	424.825	83.	1305.944	138.	2171.328	193.	3036.713	248.	3902.097
28.	440.559	84.	1321.678	139.	2187.063	194.	3052.447	249.	3917.832
29.	456.294	85.	1337.412	140.	2202.797	195.	3068.181	250.	3933.566
30.	472.028	86.	1353.147	141.	2218.531	196.	3083.916	251.	3949.300
31.	487.762	87.	1368.881	142.	2234.265	197.	3099.650	252.	3965.035
32.	503.496	88.	1384.615	143.	2250.000	198.	3115.384	253.	3980.769
33.	519.231	89.	1400.349	144.	2265.734	199.	3131.118	254.	3996.503
34.	534.965	90.	1416.084	145.	2281.468	200.	3146.853	255.	4012.237
35.	550.699	91.	1431.818	146.	2297.202	201.	3162.587	256.	4027.972
36.	566.433	92.	1447.552	147.	2312.937	202.	3178.321	257.	4043.706
37.	582.168	93.	1463.287	148.	2328.671	203.	3194.056	258.	4059.440
38.	597.902	94.	1479.021	149.	2344.405	204.	3209.790	259.	4075.174
39.	613.636	95.	1494.755	150.	2360.140	205.	3225.524	260.	4090.909
40.	629.370	96.	1510.489	151.	2375.874	206.	3241.258	261.	4106.643
41.	645.105	97.	1526.224	152.	2391.608	207.	3256.993	262.	4122.377
42.	660.839	98.	1541.958	153.	2407.342	208.	3272.726	263.	4138.111
43.	676.573	99.	1557.692	154.	2423.077	209.	3288.461	264.	4153.846
44.	692.308	100.	1573.426	155.	2438.811	210.	3304.195	265.	4169.580
45.	708.042	101.	1589.161	156.	2454.545	211.	3319.930	266.	4185.314
46.	723.776	102.	1604.895	157.	2470.279	212.	3335.664	267.	4201.048
47.	739.510	103.	1620.629	158.	2486.014	213.	3351.398	268.	4216.783
48.	755.245	104.	1636.363	159.	2501.748	214.	3367.132	269.	4232.517
49.	770.979	105.	1652.098	160.	2517.482	215.	3382.867	270.	4248.251
50.	786.713	106.	1667.832	161.	2533.217	216.	3398.601	271.	4263.986
51.	802.447	107.	1683.566	162.	2548.951	217.	3414.335	272.	4279.720
52.	818.182	108.	1699.301	163.	2564.685	218.	3430.070	273.	4295.454
53.	833.916	109.	1715.035	164.	2580.419	219.	3445.804	274.	4311.188
54.	849.650	110.	1730.769	165.	2596.154	220.	3461.538	275.	4326.923

This chart presented as a service for all DXers, to aid in identifying unID carriers; and for determining frequencies by using these as checkpoints. This chart may be reproduced by any other DX club, providing NRC is credited. VALID ONLY IN THE UNITED STATES, AND CANADA (525 line N.T.S.C. Color television).

DICK DIGS RANCHERA

RICHARD CLARK - 4932 DeBeers Drive - El Paso, Texas - 79924.

***** Here is another report from El Paso-Juarez DX center. First of all we have a new ECB station, XE20L-860 "Radio Sol" with the format of Ranchera, still daytime. I must say it took a long time to get this one on the air, about 15 years! Other changes are: XE20L-800 is now "R. Cañon", also ranchera daytime, and gospel at night. We now have five ranchera stations in town and sure is great! I just love all that ranchera music in which is #1 for me. Now for the Caribbean side. HIVP-970 ex-1470 in Villa Tapia with only call letters as slogan, ex-R. Variadades, still daytime. That's it for now. 73.

THOMAS "MAKES HIS MOVE"

THOMAS (SKIP) AREY - Box 13 - Noble Street - Mauricetown, New Jersey - 08329 WB2GHA
***** Greetings all. The above address should be valid by the time this issue reaches everyone. I have completed my Masters Degree & I am moving to a new location at which I will have a lot more room for my radio shack. (A whole attic even). I will also have a lot more time to pursue our mutual hobby. This Summer I plan to modify both of my TRF's a la CHUCK HUTTON and MARK CONNELLY's many fine articles. (Sorry guys, I'd rather do it myself). I am also trying to track down information on modifications for the Radio Shack DL-160, specifically how to disarm the loopstick and install improved filtering. If anyone can give me any information in this area please let me know. A number or people have asked me for information concerning my Radio Shack Astronaut 8 that I mentioned in my last Muse. I know absolutely nothing about it other than to say it is an eight band portable with a jack for external antenna & I cannot for the life of me figure out how to get inside of it. If anyone knows something tricky about getting inside of this case I could then tell everyone interested a great deal more about this radio. More after moving day, good Summer DXing to all.

M O T H B A L L M E M O R I E S

CHAPTER CXLIV - MORT MEEHAN CONTINUES HIS WALK DOWN MEMORY LANE. (PART II; THE END)

Stations gave their call letters good and clear exactly on the hour and between every program, even the 15 minute ones. That's when I DXed. Stations were proud of their call letters in those days and if they used a slogan it would be with the call letters. Examples: WGN, "The World's Greatest Newspaper", or "WSM, We Shield Millions."

Philco radios made by the Philadelphia Storage Battery Company were the #1 seller in the mid-30s. About 1937 communications radios were becoming popular and now had nine to 11 tubes. Hallcrafters must have had half the market and my first "ham" radio was the 1937 Hallcrafters SX-11. I thought it was a wonderful set but it did "bug me" that it drifted 30 kc/s. during the first one half-hour of operation. By today's standards I'd say it wasn't as good for DX as some of the low price transistors now available.

The Hammarlund Super-Pro was probably the best of DX sets but few could afford one. I considered the Hammarlund HQ-120 a darn good set and it sold for about \$129. After the Big War it was replaced by the HQ-129X that sold for about \$179 and seemed like almost the same radio to me. The ham band spread dial was changed from 0 to 100 to a dial that gave a ten kHz reading.

DXing in the 30s was more fun even though we had little technical knowledge and much weaker equipment. Of the couple hundred DXers I knew perhaps only a dozen were in the radio industry. Ollie Ross, the man called the world's greatest DXer by the Universal Radio DX Club of Oakland, was a bartender. He had some kind of metal ball on top of a high pole for an antenna that was a mystery to me. Bill Wheatley, head of the Globe Circlers' DX Club, was a carpenter. Irv Potts of the NNRC was on office supervisor for the Newark Fire Department. Ray Edge of NRC and Ben Feinstein of NNRC were policemen and quite a few others, like myself, worked for the post office. The Biss brothers of Minnesota were farmers but Raleigh soon went into the business of radio repairs. Having no technical knowledge didn't keep us from coming up with theories about DX and antennas. Someone studied daily weather maps in their newspaper and came up with the thought DX traveled from high to low pressure areas much better than the other way around. Many felt signals coming from the direction of a full moon were greatly weakened.

DX was mostly domestic in those days but we did hear foreigners other than Cuba. France was heard often in New Jersey after sunset and IYA and EGU reached my radio several times. DX programs from two Argentine stations surprised me with their volume but my logs showed few Central and South American stations & I don't remember them being heard evenings. Mexico had border stations with super power of up to 500kw so they could run mail order businesses into the U.S. Canada had about a half dozen 15 and 25 watt stations that were DX targets. Calls were like 10-BP and 10-AK.

RADEX was our DX Bible and issued a completely ECB DX magazine ten times a year. Each issue had a complete log by frequency, state & call & it was very accurate. Other logs were put out by White's in Rhode Island and tube companies like Cunningham's but they didn't contain the many pages of interesting reading of letters from DXers like RADEX.

DX Clubs were many & mostly they were one-man operations that lasted only a few years. In Chicago Charles Morrison printed a DX Club devoted only to foreign ECB DX and to join it you had to produce a few foreign veries. Most of the DX Clubs put out a mimeoed bulletin either semi-monthly or monthly & it only contained about eight pages. Most of the pages were letters from DXers.

In the 30s we were happy to be converting from batteries to electric. Today this trend has reversed somewhat but today's batteries are many times smaller than what we required to light up our tube radios. In closing I can remember when radios were plugged into the wall and toothbrushes weren't. NEXT ISSUE; ANOTHER PETE KEMP PROFILE.

ALL QUIET ON THE VERIE FRONT

ERNEST R. COOPER - "THE VILLAGE IDIOT" - 5 Anthony St. - Provincetown, Mass. 02657 6/16/80
***** AM veries are 4,152 now with the addition of 4VRS-1170 "R. Soleil" in Haiti. It's f/up time now. FM veries stand at 42 - 14 states, one province, with three states still holding onto reports from (j)ERC. I am now a member of WTFDA. DX; No sign of W200-710 either day. A report to WDBL-1150, verified back in the dark ages, when they broke through local WHUE on 5/17 @ 12:51am, but no reply - JOE JONES, you still there? Umm WSHO-1450 topping that spot @ 1:06 w/o/w, & glory be, another WYFA-1580 test today @ 2:13. An unID non-IDING OC held down 1375 all AM. SM 5/18- R. Petrolera-1100 topped WHAM much of the morning. UNID TTer on 1400 1:45-1:51. WPOP-1410 had no SP today. An unID SS was on 641.8 this AM. WPOP still IDs as Hartford; not Newton. An unID TTer was behind WPOP 2:41-3:04. MM 5/19- WZZD-990 IDs as "The Voice of Inspiration in the Delaware Valley". Umm WGPC-540 ET w/disco & asking for reports @ 1:23. WNBC-660 had REL @ 1:26 - are they joining the trend? There was a TTer on 1590 @ 1:35, & R. Accion-1530 was doing right well w/WCKY off @ 1:49. At 3:12 I noted umm CFGF-1270 atop in FF. WTIC-1080 was off, & Cuba topped 1060 w/ol mx in the null of CJRP. WNYR-990 was in 3:32-3:38, "The new 990, WNYR." 5/20- Umm WHOL-1600 on r/o-TT @ 12:52, & an unID TTer was on 1490 @ 1:04. KSFO-560 & WJAL-930, two prestigious stations have joined Larry King. 5/21- TTer on 540 1:19, & CKRB-1460 noted on ER in FF @ 1:42, gone by 2 re-check. 5/28, & full moon! WNYR-990 good again @ 12:50am, o/w. At 2:45am on 1580, a high-powered preacher was really going strong @ 2:45am. 5/29- Umm WFTB-1450 on f/o-TT, listed as 4th Tuesday, & was heard then in April, but on the Last Thursday in May. On 1550, what seemed to be Black programming, & an announcement of 500w. Who's this? On 1570 u/CKLM, a TTer 2:15-3:01 when it disappeared, no announcements were discerned, if any. SM 6/1- WPOP returned to his 2:06-3:00am SM SP today, w/CFMB taking top spot in their absence. WWVA-1170 was on OC @ 2:35. MM 6/2- WJDM-1530 concluding an ET @ 12:58. KYW-1060 seems to have begun NSP operations today; heard each MM since. WVLC became WKZE today - all their good programs are now only memories, and they play oldies with no titles or artists' names - they have about as much personality now as a push-button elevator. 6/3- WWSA-1290 with late Atlanta BB game to 1:06, when they rejoined King Larry. Umm WMLB-1550 was on ET ending @ 1:18 & asking for reports. Who's the weakish BFL mx station ANing on 1560? I believe the announcements are in FF or SS - it's been too T-stormy here to hear what he's whispering, hi. OK, C U N U.

NRC AWARDS PROGRAM

The NRC is currently issuing four series of certificates to members. The first series is TOTAL VERIFICATIONS. This series is issued in steps of 500 veries from different stations (i.e. 500, 1000, 1500, etc.). These certificates are issued on the honor system. When you reach or pass a 500 verie step, contact the NRC Awards Manager and a certificate will issue to you.

The second series is COUNTRIES VERIFIED and is issued in steps of 25 countries verified (25, 50, 75, etc.). For any of the country awards, please send the Awards Manager a list of the countries verified with details from a representative verie from each country: Call or slogan, location, frequency of operation and date (either date of reception or verification). The Awards Manger reserves the right to request a copy of any verie that might be questionable.

The third series is STATES VERIFIED. Awards are in the categories of 30, 40, 45 and all 50 states verified. Please send the Awards Manger a list of information from a representative verie from each state giving: State, call, location, frequency, and either date received or date verified.

The last series is CANADIAN PROVINCES VERIFIED. These awards are issued for 6 provinces verified (Territory substitution allowed), 8 provinces verified (Territory substitution allowed) and for 10 provinces verified (no substitutions allowed, all 10 provinces must be verified). Note that only veries from 1 April 1949 for Newfoundland count, as this is the date of joining Canada as a province. Send the Awards Manger representative info from a verie: Call, province, location, frequency and date of reception.

Applications for awards go to: Norm Maguire, Awards Manager
6105 Del Campo Place NE
Albuquerque, NM 87109

!!! VISIT THE CITY OF THE ANGELS !!!

REVIEW: KRS 'ACTIVE' ANTENNA

MIKE HARDESTER

From the time I began DXing and SWling in the late '60s, I have longed for two things (actually three, but let's stick to the hobby): a good receiver and a good antenna. Obtaining the former is a simple matter of eating peanut butter sandwiches and drinking water for a few years (like since the late '60s), then suddenly all the money saved is carefully and lovingly paid out for the "ultimate" receiver! So far, that's half the story.

The other half of the story is the antenna. I'm sure many of us would give up our first shortwave QSL (HCJB, no doubt) in order to have a really efficient antenna system. However, even if you give up an entire year's collection of HCJB QSLs, there's little chance you're going to realize that dream antenna system if you live "in the city." Still, there is hope!

Down at Radio West, where I work part time, Grant Manning and I discussed the problem of having a good receiver and little in the way of an antenna system. At the time, I was virtually "living in a trashcan in downtown San Diego" and, DX-wise, hating every minute of it. I had about 75 feet of wire in the air, but when it came to the 60 mb and 90 mb, my only loggings were from my wife's micro-wave oven and the neighbor's swimming pool heater!! And the worst part was neither would QSL! Chronic depression was a reality.

After explaining my situation to Grant, he suggested I try out a proto-type "active" antenna which Radio West was developing. A description of the antenna in the Radio West catalog, begins "This antenna consists of three parts: A three foot telescoping whip antenna with an FET preamp sealed in a weather-proof PVC enclosure, attached to 50 feet of RG-58 coax, a post-amplifier located at the receiver, containing a high-power RF transistor for low intermodulation distortion and a RF gain control to prevent overload, and a small AC power adapter.

The Active Antenna can be battery powered for portable or field use. While NO antenna is better than another under all conditions, with all receivers, on all frequencies, the KRS All-Band 'Active' Antenna is, in general, equal to a 100 foot longwire over the 200 kHz to 50 MHz frequencies. Supplied with three feet of shielded cable, phone jack to stripped and tinned leads for connection to the receiver."

I used the antenna at my home in San Diego where the only comparison I could make was with the 75 feet of wire and my three receivers: SPR-4, FRG-7, and FRG-7000. There was, actually, no comparison: the "active" antenna out-performed my wire antenna on all bands. However, I did notice some over-loading of the front-end in the medium-wave spectrum, but Grant advises this problem with the antenna I tested has been corrected in the production units now available.

Not satisfied with one test, I asked Grant if I could try out the 'active' antenna at Radio West (located in a fairly QRM-free environment) along with 200 foot + longwire and KS Preselector. Grant agreed. So, on one dark and cold night (all night!) amid the local raccoons fighting outside, I proceeded to DX...er, test the antenna systems. The receivers in use were the FRG-7, FRG-7000, and the new Kenwood R-1000 (a nice receiver!).

For reference purposes, Radio West is located in Escondido, California, which is about 30 miles/50 kilometers northeast of San Diego. Of the three receivers used, there did not seem to be greater sensitivity of one unit over the other, though the R-1000 was easier to tune owing to the "automatic" preselector built in. Following is a brief list of the stations heard and their respective "S-meter" readings. Although of questionable value, I'm using the "S-meter" readings simply as a point of reference in relation to the antenna type used.

The test results follow:

<u>kHz/station</u>	<u>Active</u>	<u>200' LW</u>	<u>200' LW + Preamp</u>
3250 - SABC	2-3	N/A	9+30
3300 - R. Cultural	9	9	9+35
3390 - R. Zaracay	2	2	9+30
4680 - R. Nac. Espejo	3	N/A	9+20
245 - NDB "AN" at San Diego International	3	1	3
233 - NDB "LG" at Long Beach Airport	2	N/A	4
680 - KNBR in San Francisco	9+30	9+30	N/A
830 - WCCO in Minneapolis/St. Paul	9+10	3	N/A
890 - WLS in Chicago	9+10	9+20	N/A

A point of clarification: as the preamplifier for the longwire does not tune below 2 MHz, no comparison is possible for the medium-wave band.

Quite possibly, the KRS All-Band "Active" Antenna will prove to be what many apartment and mobile home residents have been looking for: an antenna which won't bring down the wrath of the management! And even if you have the ability to put up an antenna, the KRS "Active" would seem to warrant consideration.

The price for the KRS "Active" Antenna, as listed in the Radio West catalog is \$115.00 including postage. A catalog may be obtained from Radio West, 3417 Purer Road, Escondido, CA 92025.

ADDITIONAL THOUGHTS

After I mailed this article to several clubs, I was confronted on the questionable value of the review: I neglected the area above 5 MHz.

Actually, I did not neglect that area: I was trying to ignore it. I did listen to the frequencies above 5 MHz and noted numerous signals in passing. It was observed that the KRS "Active" was at least equal to if not slightly better at times when tuning these higher frequencies. However, the longwire with the preselector in circuit did produce slightly better signals.

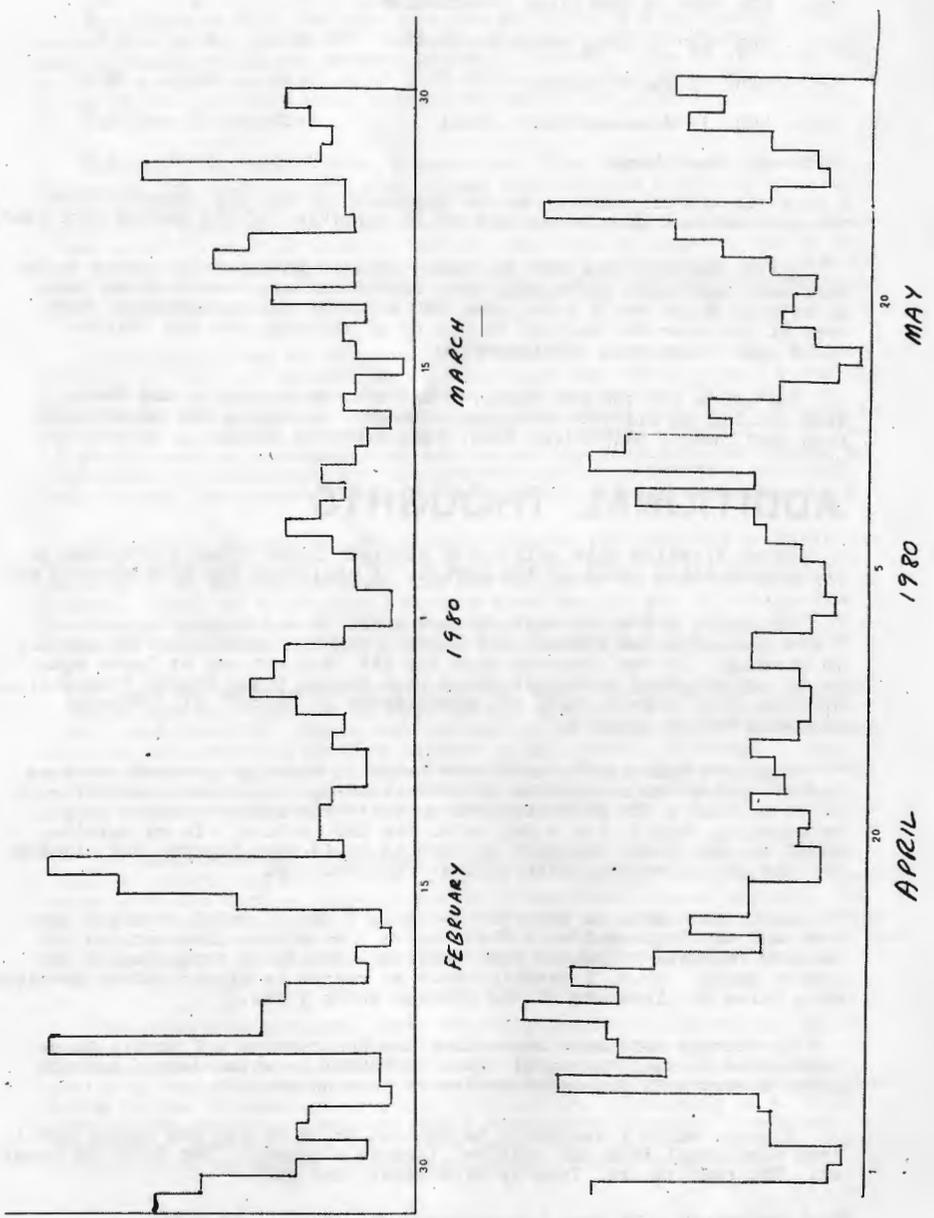
I didn't concentrate on 5 MHz+ owing to the high powered stations there. There was no problem with overloading. However, how difficult is it to hear a 500 kw station on a relatively modest antenna (e.g., telescoping whip)? For a SWL only, the KRS "Active", in my opinion, would be over-kill, though I am sure it would help improve the signals of some of the weaker international broadcasters.

As my main area of interest is below 5 MHz, I mainly checked that area and was impressed with the results I obtained. However, in all honesty/fairness, I should have included results on reception of the higher bands. Thus, I readily admit my review is biased and of questionable value to listeners of the station above 5 MHz.

As further reference concerning the KRS "Active", I invite those interested to read the April issue of FRENEX in which Jerry Lineback gives a very well presented review of this antenna.

A point which I neglected to mention in my review was simply not to feed the signal from the "active" through a preamplifier into the receiver. The results are, from my experience, not good.

This graph shows the daily variations in A_F , the Fredericksburg (VA) index of geomagnetic activity in the earth's magnetic field. High values (above 20) indicate that medium wave signals in upper latitude paths will likely be absorbed, thus resulting in "auroral conditions", with signals from the South and from local stations predominating due to this absorption of the more northerly signals. Low values over a period of time indicate a likelihood of more receptions on the higher-latitude paths -- more, and more northerly TA's and TP's. Several days of low values following higher ones are needed for conditions to return to "normal", due to residual absorption. Long periods of extremely low values (6 or less) are necessary to raise the possibility of good high-latitude conditions throughout the entire MW band, although this is not the only requirement. For additional information on the use of the A_F and related indices as a DX tool, consult the NRC Reprints List for relevant articles. --RJE



ORIGINAL MEANING OF CALL LETTERS

PETER CLARIUS

- W.C.C.O. - Washburn Crosby Company (Gold Medal Flour)
- W.L.A.C. - Life and Asualty (Insurance)
- W.S.M. - We serve millions (Insurance)
- W.P.T.F. - We protect the family (Insurance)
- W.T.I.C. - Travelers Insurance Company
- W.J.J.D. - James J. Davis (Loyal Order of Moose - Mooseheart, Illinois)
- W.M.M.N. - Mansfield M. Neely (Former U.S. Senator - West Virginia)
- W.L.S. - Worlds Largest Store (Sears Roebuck)
- W.G.N. - Worlds Greatest Newspaper (Chicago Tribune)
- W.R.C. - Washington Radio Corporation
- W.F.A.B. - Fifth Avenue Broadcasters (N.Y.C. - 1300k.)
- W.B.O.Q. - Borough of Queens (N.Y.C.)
- W.E.V.D. - Eugene Victor Debs (Socialist Leader)
- W.C.A.P. - City of Asbury Park (New Jersey)
- W.E.E.I. - Edison Electrical Institute (Boston)
- W.B.S.O. - Babson Statistical Organization (Boston)
- W.H.O.M. - Harry Omelia (Outdoor Advertising) Jersey City
- W.F.O.X. - Fox theater (Brooklyn)
- W.V.F.W. - Veterans of Foreign Wars (Brooklyn)
- G.F.C.O. - Coming from Chatham Ontario
- K.P.O.F. - Pillar of Fire
- W.A.W.Z. - Alma White Zarephath (Pillar of Fire Church)
- W.M.B.I. - Moody Bible Institute
- W.D.L.M. - Dwight L. Moody (Religious leader)
- W.A.P.I. - Alabama Polytechnical Institute
- W.C.S.H. - Congress Square Hotel (Portland, Maine)
- V.O.N.F. - Voice of Newfoundland
- V.O.W.R. - Voice of Wesley Radio (Wesley Church)
- W.M.S.G. - Madison Square Garden (N.Y.C.)
- W.P.A.P. - Palisades Amusement Park (New Jersey)
- W.P.C.H. - Park Central Hotel (N.Y.C.)

VISIT LOUAVULL FOR THE
AUG. 15-17 IRCA CONVENTION

NRC 1980 LOS ANGELES CONVENTION

The 1980 National Radio Club Convention will be held over Labor Day weekend (August 28, 29, 30, 31 and Sept. 1) at the Hacienda Hotel near Los Angeles Airport. The hotel is approximately 5 miles from the airport, which is close enough to have courtesy limousine service but far enough to have affordable rates. In addition to the usual hotel offerings, the hotel is located 1 1/2 miles from the ocean.

This is the first West Coast convention in nearly a decade and the Los Angeles location is within easy driving and flying distance of the 10 western states. Here you'll have an opportunity to meet a good number of Eastern DXers. East coasters will have a chance to meet the top DXers on the West Coast and to take a really great vacation. The last West Coast convention was a success and because the club has grown tremendously since then, we expect to have an even greater turn out.

HOW TO GET THERE

By Air: Los Angeles International Airport is served by virtually every large carrier, including Pan Am, TWA, Western, Delta, Northwest Orient, and United. Call the hotel from the airport for courtesy limousine at 322-1212.

By car: The hotel is located to the west of the San Diego (I-405) freeway. Take the Imperial Highway exit towards the west to Sepulveda Blvd. and then turn left. In about 3 blocks, the hotel will be on the right side. There is a large parking lot just before the motel free guest parking.

CONVENTION ACTIVITIES

We have a great number of activities planned for the convention. In addition to the usual station tours, we have some unusual ones planned such as tours of Beverly Hills, the movie star city, and the Collins mechanical filter plant. While LA is not lacking in places to tour, many are available only on weekdays. This is why the convention is starting on Thursday, so come early!

The Banquet will be held at the hotel on Saturday night at 6 p.m. and will be followed by the annual business meeting.

Of course, the yearly rip-roaring auction will be held at the hotel after the business meeting, so send all your auction items to John Clements.

On Sunday will be the technical sessions. Grant Manning will host a session on loop antennas and Randy Seaver will speak on propagation.

Your hosts this year are Greg Hardison (213) 993-0716 and H. John Clements (213) 893-4778 (after 10-11 p.m. on weekdays). We are looking forward to showing you one of the best conventions ever.

BE THERE - JOIN US FOR A GREAT TIME

NRC CONVENTION REGISTRATION

MAIL TO: H. John Clements, 9010 Tobias, #258, Panorama City, CA 91402

Please complete all items and mail as soon as possible as it will make things easier for the Convention Committee if we have an indication of the number of persons to expect.

Name _____ Phone (____) _____

Address _____

City _____ State/Province _____

ZIP/Postal Code _____

The registration fee is \$25 which includes the banquet. The fee may be paid in advance or at the door.

ACCOMMODATIONS DESIRED

_____ None (I will not be staying at the hotel)

_____ 1-person - \$32/night-main building, \$37/night in new South Tower

_____ 2-persons - \$36/night-main building, \$41/night in new South Tower.

I will be arriving on (date/time) _____

I will be departing on (date/time) _____

Mode of transportation _____

It is extremely important that you reserve motel rooms as soon as possible because the airport area is very busy, especially around holidays. The room rates we have are 40% less than those of other nearby hotels, so register early. It is best to reserve rooms directly with the hotel through their toll free numbers:

(800) 451-5900, in California call (800) 262-1314.

When making reservations you must mention NRC to get the special rates.

CLIP AND MAIL TODAY